

Revision Exercise

What is the value of the following in base 8?

- a. $5+5$
- b. $10+3$
- c. $25 + 6$

What is an instruction set?

How many instructions are in intel 8085 microprocessor?

What command in assembly language can be used to copy the content of register B to register A

What is raid and why is it important?

What raid level is used for mirroring?

Which raid level divides data into block units and write across different disks?

What is the difference between information and data?

What is computer hardware? Give 3 examples of computer hardware

What are the different categories of computer hardware?

Explain with the aid of diagram, the components of CPU. Explain the Fetch-decode cycle of CPU.

What are the types of memory within computer?

What is computer software? Give examples

Explain different functions of control unit and list 2 registers found in control unit

What is system bus?

Define computer bus and types. Explain the working of a single computer bus with the aid of a diagram. Give 3 examples of computer buses

With the aid of a suitable diagram, explain Von Neumann architecture and distinguish it from the non-Von Neumann architecture

What is the difference between positional and non-positional number system

Give 3 characteristics of number system

Convert 200 from decimal to binary

Convert 011000100100001 to octal number

Convert 500 base 10 to octal

Construct a logical circuit as well as the truth table for the given logical expression: $Y = X'(AB + C)$